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October 25, 2001

Attorney Docket No.: 13445-014001

**Box Patent Application**  
Commissioner for Patents  
Washington, DC 20231

Presented for filing is a new patent application claiming priority from a provisional patent application of:

Applicant: MIHAI IBANESCU, JOHN D. JOANNOPOLOUS, YOEL FINK,  
STEVEN G. JOHNSON AND SHANHUI FAN

Title: DIELECTRIC WAVEGUIDE WITH TRANSVERSE INDEX  
VARIATION THAT SUPPORT A ZERO GROUP VELOCITY MODE  
AT A NON-ZERO LONGITUDINAL WAVEVECTOR

Enclosed are the following papers, including those required to receive a filing date under 37 CFR §1.53(b):

	<u>Pages</u>
Specification	19
Claims	6
Abstract	1
Declaration (unsigned)	2
Drawings	10

Enclosures:

- New disclosure information, including:  
Information disclosure statement, 1 pages.  
PTO-1449, 2 pages.  
References, 20 items.
- Postcard.

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EL485713411

I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit October 25, 2001

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*Leroy Jenkins*

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Typed or Printed Name of Person Signing Certificate

10/25/01  
JC945 U.S. PTO

Frederick P. Fish  
1855-1930

W.K. Richardson  
1859-1951



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Commissioner for Patents

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Under 35 USC §119(e)(1), this application claims the benefit of prior U.S. provisional application 60/243,565, filed October 26, 2001.

Basic filing fee	\$370
Total claims in excess of 20 times \$9	\$216
Independent claims in excess of 3 times \$42	\$0
Fee for multiple dependent claims	\$0
Total filing fee:	\$586

A check for the filing fee is enclosed. Please apply any other required fees or any credits to deposit account 06-1050, referencing the attorney docket number shown above.

If this application is found to be incomplete, or if a telephone conference would otherwise be helpful, please call the undersigned at (617) 542-5070.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

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Respectfully submitted,



Marc M. Wefers\* for  
Eric L. Prahl  
Reg. No. 32,590  
Enclosures

\*See attached document certifying that Marc M. Wefers has limited recognition to practice before the U.S. Patent and Trademark Office under 37 C.F.R. § 10.9(b).